

(57)

ABSTRACT

An information input/output device having an intuitive operating feeling and improved information viewing and

Combining the Hiroaki mask with the Tourai data image must result in an improved viewing of the data image, instead of hiding the data image as desired by Tourai.

There is no negation of color images in Hiroaki. Hiroaki cannot gamma correct a negated image.

Claimed is a random generator. The Examiner has failed to indicate where Tourai discloses a random generator. The word 'random' does not appear anywhere in Tourai. That is a fact.

The word "negate" or any of its derivatives does not appear anywhere in Hiroaki.

Claims 18, 20, 25, 28, and 29 are allowable for the reasons stated above.

Claims 2-5, 16, 23 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tourai (US 6,784,887) in view of Hiroaki (US 6,661,425) as applied to claims 1, 7-8, 11, 15, 18-20, 25 and 27-29 and further in view of Popovich (US 6,421,109).

Popovich does not disclose "opening an optical shutter device when the data image is displayed," and "shutting the optical shutter device when the mask

image is displayed so that only the data image is perceived by the authorized user viewing the display device through the optical shutter device, and a gray image is perceived by an unauthorized user viewing the data and mask images directly, the opening and shutting synchronized in phase and frequency to the select signal.” None of these limitations are addressed by Popovich.

Popovich does not disclose a ferro-electric liquid crystal polarization **rotator**. Note the emphasis on ‘rotator’.

The Examiner states that it would be obvious to modify the references to solve the “stated problem.” However, it should be noted again that the invention is not interested in solving the problems of the prior art at page 2, line 25, “The problem with this system (US 5,629,984) is that most people can perceive images even is the relative intensity of darkest elements is only about 1/100 that of the brightest elements.” The stated problem cited by the Examiner is of no interest to the invention.

Claims 16, 23, and 26 are allowable as stated above.

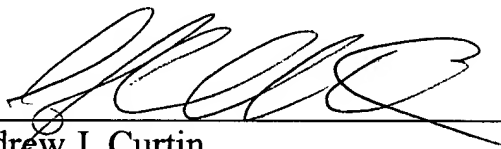
Claims 10, 17 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tourai (US 6,784,887) in view of Hiroaki (US 6,661,425) as applied to claims 1, 7-8, 11, 15, 18-20, 25 and 27-29 and further in view of Ogawa (US 6,018,331).

Ogawa does not **alternatively** select a **data** image and a **mask** (negated image), and neither do Tourai, Hiroaki and Popovich, see above.

Claims 6, 9 and 21-22 are objected to as being dependent upon a rejected base claim.

All rejections have been complied with, and applicant respectfully submits that the application is now in condition for allowance. The applicant urges the Examiner to contact the applicant's attorney at the phone and address indicated below if assistance is required to move the present application to allowance. Please charge any shortages in fees in connection with this filing to Deposit Account 50-0749.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'A. Curtin', written over a horizontal line.

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